

CHEF MENTEUR C&D LANDFILL
May 24 and June 5, 2006 AIR SAMPLING EVENTS

SITE LOCATION AND DESCRIPTION

The Chef Menteur C&D (Construction and Demolition) Landfill is located at 16,600 Chef Menteur Highway (U.S. Highway 90) in New Orleans, Louisiana. The landfill is operated by Waste Management Inc. and accepts construction and demolition debris generated primarily from Hurricane Katrina recovery efforts. The site covers an area of approximately 80 acres. Access to the landfill is through two entrance roads from Chef Menteur Highway. The site is bordered on the south by the Louisville and Nashville Railroad, on the east by the Southern Natural Gas Pipeline Canal, on the west by the Maxent Canal and on the north by Chef Menteur Highway and lots along the highway.

Included in this report are a summary of the sample collection activities, analytical data and an evaluation of the results.

SAMPLING LOCATION

Sampling Procedures

Sampling on May 24, 2006 was conducted for asbestos in accordance with NIOSH 7400 and for metals in accordance with NIOSH 7300. At the request of LEAN, on June 5, 2006, additional sampling was conducted for hydrogen sulfide (H₂S) in accordance with NIOSH 6013, for volatile organic compounds (VOC) in accordance with NIOSH 2549, and for particulate matter in accordance with NIOSH 0500 and 7300. Asbestos and metals monitoring pumps were manufactured by SKC and set at flow rates between one and two liters per minute. The H₂S and VOC monitoring pumps ran for approximately one hour and three and one-half hours respectively and were set at flow rates of approximately 0.2 liters per minute. The particulate matter monitoring pumps ran for approximately six hours and were set at flow rates of approximately one liter per minute.

The five sampling points were at the approximate locations for the May 24 and June 5, 2006 sampling events. Descriptions of the five sampling points are provided below:

- 1) The extreme northwest portion of the site along the west fence line approximately 110-feet from the north fence line [GPS Points: N30° 02.775', W89° 53.189'];
- 2) In the northwest quadrant of the site, where the entrance road meets the road to the office [GPS Points: N30° 02.847', W89° 53.148'];
- 3) Adjacent to the road along the southern perimeter of the disposal pit, directly across the pit from the office trailer [GPS Points: N30° 02.708', W89° 53.020'];
- 4) At the southeast corner of the disposal pit [GPS Points: N30° 02.771', W89° 52.840']; and
- 5) Along the south shoulder of Chef Menteur Highway approximately midway between the entrance and exit roads of the site [GPS Points: N30° 02.961', W89° 53.095'].

The sampling locations were selected based wind direction relative to the active disposal area (currently the northwest portion of the site) so that there were two upwind and two downwind sampling locations. An offsite sampling location was also selected along Chef Menteur Highway for background sampling.

SAMPLE COLLECTION

The samples were analyzed for the parameters for asbestos, arsenic, cadmium, chromium lead, particulate matter, volatile organic compounds hydrogen sulfides. The planned parameters for the first sampling event on May 24, 2006 were asbestos, and metals. The second sampling event was added due to an email request on the morning of May 24, 2006 by Joel Walters, the attorney representing LEAN and CSNOE to include particulate matter, volatile organic compounds and hydrogen sulfides.

The samples were analyzed by STL in Kenner, Louisiana. The STL report for the May 2006 sampling event is provided in **Attachment A**. The chain-of-custody forms for sample handling also are provided in **Attachment A**.

RESULTS SUMMARY

The following table is a summary of the sampling parameters and results. Of the monitoring parameters, all results of the asbestos, metal, hydrogen sulfides and VOCs were below the quantitation limits. The particulate matter was detected just above the detection limit at two of the four locations, however the concentrations were below any health risk levels.

Chef Menteur Highway C&D Landfill
STL Laboratory Results
Air Sampling

Parameters	Site 1	Site 2	Site 3	Site 4	Site 5	Blank
May 24, 2006 Sampling Event						
Asbestos Containing Material (fib/cc)	<5.5 ¹	<5.5 ¹	<5.5 ¹	<5.5 ¹	<5.5 ¹	<5.5 ¹
Arsenic (ug/m ³)	BQL	BQL	BQL	BQL	BQL	BQL
Cadmium (ug/m ³)	BQL	BQL	BQL	BQL	BQL	BQL
Chromium (ug/m ³)	BQL	BQL	BQL	BQL	BQL	BQL
Lead (ug/m ³)	BQL	BQL	BQL	BQL	BQL	BQL
June 5, 2006 Sampling Event						
Acetone (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Benzene (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Bromodichloroethene (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Bromoform (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Bromomethane (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
2-Butamome (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Carbon disulfide (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Carbon tetrachloride (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Chlorobenzene (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Chloroethane (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Chloroform (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Chloromethane (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Dibromochloromethane (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
1,1-Dichloroethane (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
1, 2-Dichloroethane (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
1, 1-Dichloroethene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
cis-1, 2-Dichlorethene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
trans-1, 2-Dichloroethene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
1, 2 Dichloroehtene (total) (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
1, 2-Dichloropropane (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
cis-1, 3-Dichloropropene	BQL	BQL	BQL	BQL	BQL	--
trans-1, 3-Dichloropropene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--

BQL - Below Quantitation Limit

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¹ < xxx - Below Detection Limit

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Chef Menteur Highway C&D Landfill
STL Laboratory Results
Air Sampling

Parameters	Site 1	Site 2	Site 3	Site 4	Site 5	Blank
Ethyl benzene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
2-Hexanone (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
Methyl chloride (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
4-Methyl-2-pentanone (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
Styrene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
1,1, 2, 2-Tetrachloroethane (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
Tetrachloroethene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
Toluene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
1, 1, 1-Trichloroethane (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
1, 1, 2-Trichloroethane (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
Trichloroethene (ug/m3)	BQL	BQL	BQL	BQL	BQL	--
Vinyl Chloride (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Xylene (Total) (ug/m ³)	BQL	BQL	BQL	BQL	BQL	--
Particulate Matter (mg/m ³)	0.561	<0.027 ¹	0.233	<0.026 ¹		--
Hydrogen Sulfide (ug/m ³)	<437 ¹	<413 ¹	<426 ¹	<440 ¹	<457 ¹	--

BQL - Below Quantitation Limit

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¹ < xxx - Below Detection Limit

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